**2004 Water Quality Inventory** 

(-data from 03/01/1998 to 02/28/2003)

**Segment ID:** 2485 **Water body name:** Oso Bay

Bays and Estuaries Total size: **Estuary** 7.2 Sq. miles # of Assessment Status of Use # of Location Year Assessment Method **Support or Concern** Location samples exceedances | Mean size **Aquatic Life Use** 2004 Dissolved Oxygen grab average Lower portion of bay No Concern-Limited 2 1.6 18 Data 2004 Dissolved Oxygen grab average 5 Use Concern Lower portion of bay, western side 1.06 18 2004 Dissolved Oxygen grab average 15 Use Concern Middle portion of bay near SH 358 1.18 37 2004 Dissolved Oxygen grab average Not Assessed Middle portion of bay near railroad bridge 1.11 2004 Dissolved Oxygen grab average Not Assessed Upper portion of bay 2.25 2004 Dissolved Oxygen grab minimum Fully Supporting Lower portion of bay 18 1.6 2004 Dissolved Oxygen grab minimum Fully Supporting Lower portion of bay, western side 1.06 18 2004 Dissolved Oxygen grab minimum 11 Partially Supporting Middle portion of bay near SH 358 1.18 37 2004 Dissolved Oxygen grab minimum Not Assessed Middle portion of bay near railroad bridge 1.11 2004 Dissolved Oxygen grab minimum Not Assessed Upper portion of bay 2.25 2004 Dissolved Oxygen 24hr average 4 Partially Supporting Lower portion of bay 1.6 16 2004 Dissolved Oxygen 24hr average Not Assessed Lower portion of bay, western side 1.06 0 2004 Not Supporting Dissolved Oxygen 24hr average Middle portion of bay near SH 358 1.18 15 2004 Dissolved Oxygen 24hr average Middle portion of bay near railroad bridge 12 Not Supporting 1.11 21 2004 Dissolved Oxygen 24hr average 12 Not Supporting Upper portion of bay 2.25 20 2004 Dissolved Oxygen 24hr minimum 10 Not Supporting Lower portion of bay 1.6 16 2004 Dissolved Oxygen 24hr minimum Not Assessed Lower portion of bay, western side 1.06 0 2004 Dissolved Oxygen 24hr minimum 12 Not Supporting Middle portion of bay near SH 358 1.18 15 Dissolved Oxygen 24hr minimum 2004 Not Supporting Middle portion of bay near railroad bridge 1.11 21 18 2004 Dissolved Oxygen 24hr minimum 2.25 20 16 Not Supporting Upper portion of bay 2004 Overall Aquatic Life Use Not Supporting Lower portion of bay 1.6 2004 Overall Aquatic Life Use Fully Supporting Lower portion of bay, western side 1.06 2004 Overall Aquatic Life Use Not Supporting Middle portion of bay near SH 358 1.18 2004 Overall Aquatic Life Use Not Supporting Middle portion of bay near railroad bridge 1.11

Page: 1

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(-data from 03/01/1998 to 02/28/2003)

Segment ID: 2485 Water body name: Oso Bay

Estuary	,	Bays and Es	tuaries Total size:		7.2	Sq. miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life <b>U</b>	J <b>se</b> (continued)						
2004	Overall Aquatic Life Use	Not Supporting	Upper portion of bay	2.25			
Contact Recre	eation Use						
2004	Enterococci single sample	Use Concern	Lower portion of bay	1.6	18	6	
2004	Enterococci single sample	Not Supporting	Lower portion of bay, western side	1.06	18	16	
2004	Enterococci single sample	Not Supporting	Middle portion of bay near SH 358	1.18	32	12	
2004	Enterococci single sample	Not Assessed	Middle portion of bay near railroad bridge	1.11	0		
2004	Enterococci single sample	Not Assessed	Upper portion of bay	2.25	0		
2004	Enterococci geometric mean	Not Supporting	Lower portion of bay	1.6	18		36.6
2004	Enterococci geometric mean	Not Supporting	Lower portion of bay, western side	1.06	18		295
2004	Enterococci geometric mean	Not Supporting	Middle portion of bay near SH 358	1.18	32		54
2004	Enterococci geometric mean	Not Assessed	Middle portion of bay near railroad bridge	1.11	0		
2004	Enterococci geometric mean	Not Assessed	Upper portion of bay	2.25	0		
2004	Fecal coliform single sample	Fully Supporting	Lower portion of bay	1.6	18	3	
2004	Fecal coliform single sample	Not Supporting	Lower portion of bay, western side	1.06	18	8	
2004	Fecal coliform single sample	Fully Supporting	Middle portion of bay near SH 358	1.18	32	3	
2004	Fecal coliform single sample	Not Assessed	Middle portion of bay near railroad bridge	1.11	0		
2004	Fecal coliform single sample	Not Assessed	Upper portion of bay	2.25	0		
2004	Fecal coliform geometric mean	Fully Supporting	Lower portion of bay	1.6	18		23
2004	Fecal coliform geometric mean	Not Supporting	Lower portion of bay, western side	1.06	18		307
2004	Fecal coliform geometric mean	Fully Supporting	Middle portion of bay near SH 358	1.18	32		48
2004	Fecal coliform geometric mean	Not Assessed	Middle portion of bay near railroad bridge	1.11	0		
2004	Fecal coliform geometric mean	Not Assessed	Upper portion of bay	2.25	0		
2004	Overall Recreation Use	Not Supporting	Lower portion of bay	1.6			
2004	Overall Recreation Use	Not Supporting	Lower portion of bay, western side	1.06			

Page: 2

Estuary		Bays and Es	tuaries Total size:		7.2	Sq. miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mea
ontact Recre	eation Use (continued)						
2004	Overall Recreation Use	Not Supporting	Middle portion of bay near SH 358	1.18			
2004	Overall Recreation Use	Not Assessed	Middle portion of bay near railroad bridge	1.11			
2004	Overall Recreation Use	Not Assessed	Upper portion of bay	2.25			
eneral Use							
2004	Water Temperature	Fully Supporting	Lower portion of bay	1.6	18	0	
2004	Water Temperature	Fully Supporting	Lower portion of bay, western side	1.06	18	0	
2004	Water Temperature	Fully Supporting	Middle portion of bay near SH 358	1.18	38	0	
2004	pH	Fully Supporting	Lower portion of bay	1.6	18	0	
2004	рН	Fully Supporting	Lower portion of bay, western side	1.06	18	0	
2004	рН	Fully Supporting	Middle portion of bay near SH 358	1.18	38	0	
2004	Overall General Use	Fully Supporting	Lower portion of bay	1.6			
2004	Overall General Use	Fully Supporting	Lower portion of bay, western side	1.06			
2004	Overall General Use	Fully Supporting	Middle portion of bay near SH 358	1.18			
2004	Overall General Use	Not Assessed	Middle portion of bay near railroad bridge	1.11			
2004	Overall General Use	Not Assessed	Upper portion of bay	2.25			
sh Consump	tion Use						
2004	Overall Fish Consumption Use	Not Assessed	Lower portion of bay	1.6			
2004	Overall Fish Consumption Use	Not Assessed	Lower portion of bay, western side	1.06			
2004	Overall Fish Consumption Use	Not Assessed	Middle portion of bay near SH 358	1.18			
2004	Overall Fish Consumption Use	Not Assessed	Middle portion of bay near railroad bridge	1.11			
2004	Overall Fish Consumption Use	Not Assessed	Upper portion of bay	2.25			
verall Use Su	ipport						
2004		Not Supporting	Lower portion of bay	1.6			

**2004 Water Quality Inventory** 

(-data from 03/01/1998 to 02/28/2003)

Page: 4

Estuary	,	Bays and Estuaries Total size:			7.2 Sq. miles			
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean	
Overall Use Su	ipport (continued)							
2004		Not Supporting	Lower portion of bay, western side	1.06				
2004		Not Supporting	Middle portion of bay near SH 358	1.18				
2004		Not Supporting	Middle portion of bay near railroad bridge	1.11				
2004		Not Supporting	Upper portion of bay	2.25				
Nutrient Enric	hment Concern			<u> </u>				
2004	Ammonia Nitrogen	No Concern	Lower portion of bay	1.6	15	2		
2004	Ammonia Nitrogen	Concern	Lower portion of bay, western side	1.06	14	14		
2004	Ammonia Nitrogen	No Concern	Middle portion of bay near SH 358	1.18	35	3		
2004	Ammonia Nitrogen	Not Assessed	Middle portion of bay near railroad bridge	1.11	0			
2004	Ammonia Nitrogen	Not Assessed	Upper portion of bay	2.25	0			
2004	Nitrite + Nitrate Nitrogen	No Concern	Lower portion of bay	1.6	15	0		
2004	Nitrite + Nitrate Nitrogen	Concern	Lower portion of bay, western side	1.06	15	10		
2004	Nitrite + Nitrate Nitrogen	No Concern	Middle portion of bay near SH 358	1.18	33	1		
2004	Nitrite + Nitrate Nitrogen	Not Assessed	Middle portion of bay near railroad bridge	1.11	0			
2004	Nitrite + Nitrate Nitrogen	Not Assessed	Upper portion of bay	2.25	0			
2004	Orthophosphorus	No Concern	Lower portion of bay	1.6	15	0		
2004	Orthophosphorus	Concern	Lower portion of bay, western side	1.06	15	5		
2004	Orthophosphorus	No Concern	Middle portion of bay near SH 358	1.18	30	1		
2004	Orthophosphorus	Not Assessed	Middle portion of bay near railroad bridge	1.11	0			
2004	Orthophosphorus	Not Assessed	Upper portion of bay	2.25	0			
2004	Total Phosphorus	No Concern	Lower portion of bay	1.6	15	0		
2004	Total Phosphorus	Concern	Lower portion of bay, western side	1.06	14	13		
2004	Total Phosphorus	No Concern	Middle portion of bay near SH 358	1.18	30	5		
2004	Total Phosphorus	Not Assessed	Middle portion of bay near railroad bridge	1.11	0			

Estuary		Bays and Es	tuaries Total size:		7.2	Sq. miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enric	chment Concern (continued)						
2004	Total Phosphorus	Not Assessed	Upper portion of bay	2.25	0		
2004	Overall Nutrient Enrichment Concerns	No Concern	Lower portion of bay	1.6			
2004	Overall Nutrient Enrichment Concerns	Concern	Lower portion of bay, western side	1.06			
2004	Overall Nutrient Enrichment Concerns	No Concern	Middle portion of bay near SH 358	1.18			
2004	Overall Nutrient Enrichment Concerns	Not Assessed	Middle portion of bay near railroad bridge	1.11			
2004	Overall Nutrient Enrichment Concerns	Not Assessed	Upper portion of bay	2.25			
Algal Growth	Concern	•		1	•		
2004	Chlorophyll a	No Concern	Lower portion of bay	1.6	15	2	
2004	Chlorophyll a	Concern	Lower portion of bay, western side	1.06	15	5	
2004	Chlorophyll a	Concern	Middle portion of bay near SH 358	1.18	29	8	
2004	Chlorophyll a	Not Assessed	Middle portion of bay near railroad bridge	1.11	0		
2004	Chlorophyll a	Not Assessed	Upper portion of bay	2.25	0		
<b>Sediment Con</b>	taminants Concern						
2004	Overall Sediment Contaminant Concerns	Not Assessed	Lower portion of bay, western side	1.06			
2004	Overall Sediment Contaminant Concerns	Not Assessed	Middle portion of bay near SH 358	1.18			
2004	Overall Sediment Contaminant Concerns	Not Assessed	Middle portion of bay near railroad bridge	1.11			
2004	Overall Sediment Contaminant Concerns	Not Assessed	Upper portion of bay	2.25			

Page: 6

Estuary	,	Bays and Es	tuaries Total size:		7.2	Sq. miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
ish Tissue Co	ontaminants Concern						
2004	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower portion of bay	1.6			
2004	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower portion of bay, western side	1.06			
2004	Overall Fish Tissue Contaminant Concerns	Not Assessed	Middle portion of bay near SH 358	1.18			
2004	Overall Fish Tissue Contaminant Concerns	Not Assessed	Middle portion of bay near railroad bridge	1.11			
2004	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper portion of bay	2.25			
arrative Crit	teria Concern						
2004	Overall Narrative Criteria Concerns	No Concern	Lower portion of bay	1.6			
2004	Overall Narrative Criteria Concerns	No Concern	Lower portion of bay, western side	1.06			
2004	Overall Narrative Criteria Concerns	No Concern	Middle portion of bay near SH 358	1.18			
2004	Overall Narrative Criteria Concerns	No Concern	Middle portion of bay near railroad bridge	1.11			
2004	Overall Narrative Criteria Concerns	No Concern	Upper portion of bay	2.25			
verall Second	dary Concern	<u>I</u>	1		l	l	
2004		Concern	Lower portion of bay, western side	1.06			
2004		Concern	Middle portion of bay near SH 358	1.18			
2004		No Concern	Middle portion of bay near railroad bridge	1.11			
2004		No Concern	Upper portion of bay	2.25			